

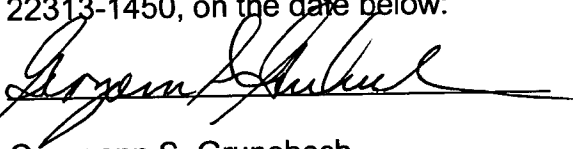
09-07-04

IFW



Patent
PD-980208A
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Robert G. Arsenault, : is being deposited with the United States
et al. : Postal Service as "Express Mail" under
Serial No.: 10/759,679 : Label No. EU433762301US, in an envelope
Filed: January 19, 2004 : addressed to:
For : Mail Stop Amendment, Commissioner for
: Patents, P. O. Box 1450, Alexandria, VA
: 22313-1450, on the date below:
VIRTUAL VIDEO ON DEMAND USING :
MULTIPLE ENCRYPTED VIDEO : 
SEGMENTS :
: Georgann S. Grunebach
: Typed or printed name of person signing certificate
Group Art Unit: 2611 :
Examiner: Jason J. Chung : Date: September 3, 2004

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

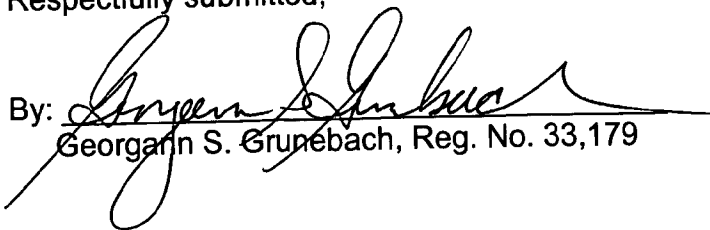
The references cited on the enclosed forms PTO/SB/08A and PTO/SB/08B may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. In accordance with the recent Notice of the USPTO regarding the submission of Information Disclosure Statements without copies of the U.S. patents and published applications in patent applications filed after June 30, 2003, Applicant submits herewith copies of foreign patent documents and non-patent literature only, if applicable. It is respectfully requested that the references be considered and made of record in the application identified above.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

It is believed that no fee is due with this submission. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any

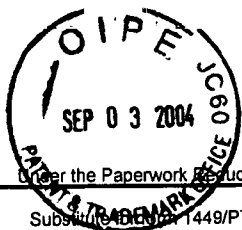
overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Respectfully submitted,

By: 
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
RE/R11/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615



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Subsidiary, 1449/PTO

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STATEMENT BY APPLICANT**

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Sheet 1 of 8

Complete if Known

Application Number	10/759,679
Filing Date	January 19, 2004
First Named Inventor	Robert G. Arsenault
Art Unit	2611 4157
Examiner Name	Jason J. Chung Ricky Chin
Attorney Docket Number	PD-980208A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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		US- 4,633,309			
		US- 4,675,732			
		US- 4,866,769			
		US- 4,866,787			
		US- 5,033,084			
		US- 5,132,992			
		US- 5,168,353			
		US- 5,172,413			
		US- 5,199,066			
		US- 5,301,352			
		US- 5,357,276			
		US- 5,371,551			
		US- 5,386,587			
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		US- 5,438,423			
		US- 5,440,336			
		US- 5,495,531			
		US- 5,557,541			

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/R.C./ ↓ ↓ ↓ ↓ ↓		EP 0 936 812 A1				
		EP 0 975 165 A2				
		EP 0 989 557 A1				
		EP 1 156 676 A2				
		EP 1 304 871 A2				
		EP 1 369 152 A2				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 8

Complete if Known

Application Number	10/759,679
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First Named Inventor	Robert G. Arsenault
Art Unit	2644 4157
Examiner Name	Jason J. Chung Ricky Chin
Attorney Docket Number	PD-980208A

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/R.C./		US- 5,565,805			
		US- 5,583,937			
		US- 5,586,264			
		US- 5,592,551			
		US- 5,592,651			
		US- 5,594,491			
		US- 5,619,247			
		US- 5,640,453			
		US- 5,642,418			
		US- 5,663,896			
		US- 5,675,390			
		US- 5,677,895			
		US- 5,701,383			
		US- 5,710,970			
		US- 5,715,315			
		US- 5,715,403			
		US- 5,721,829			
		US- 5,724,646			
		US- 5,729,280			

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/R.C./		JP 06351023 A				
		JP 11136708 A				
		WO 00/13412				
		WO 00/19294				
		WO 01 43444 A2				
		WO 02/065750 A2				

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**INFORMATION DISCLOSURE
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Sheet 3 of 8**Complete if Known**

Application Number	10/759,679
Filing Date	January 19, 2004
First Named Inventor	Robert G. Arsenault
Art Unit	2644 4157
Examiner Name	Jason J. Chung Ricky Chin
Attorney Docket Number	PD-980208A

U. S. PATENT DOCUMENTS

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/R.C./		US- 5,748,732			
		US- 5,761,302			
		US- 5,764,762			
		US- 5,784,095			
		US- 5,790,663			
		US- 5,793,971			
		US- 5,805,699			
		US- 5,826,165			
		US- 5,831,664			
		US- 5,845,240			
		US- 5,850,218			
		US- 5,864,747			
		US- 5,867,207			
		US- 5,899,582			
		US- 5,912,969			
		US- 5,914,941			
		US- 5,926,205			
		US- 5,930,215			
		US- 5,933,500			

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/R.C./		WO 02/15184 A1				
/R.C./		WO 92/11713				

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STATEMENT BY APPLICANT**

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Application Number	10/759,679
Filing Date	January 19, 2004
First Named Inventor	Robert G. Arsenault
Art Unit	2044 4157
Examiner Name	Jason J. Chung Ricky Chin
Attorney Docket Number	PD-980208A

Sheet 4 of 8

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/R.C./		US- 5,936,660			
		US- 5,937,067			
		US- 5,953,418			
		US- 5,966,186			
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		US- 5,978,649			
		US- 5,999,628			
		US- 5,999,629			
		US- 6,005,937			
		US- 6,011,511			
		US- 6,025,868			
		US- 6,055,314			
		US- 6,055,566			
		US- 6,061,451			
		US- 6,061,452			
		US- 6,069,647			
		US- 6,072,873			
		US- 6,072,982			
		US- 6,075,330			

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STATEMENT BY APPLICANT**

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Sheet 5 of 8

Complete if Known

Application Number	10/759,679
Filing Date	January 19, 2004
First Named Inventor	Robert G. Arsenault
Art Unit	2644 4157
Examiner Name	Jaeon J. Chung Ricky Chin
Attorney Docket Number	PD-980208A

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
/R.C./		US- 6,091,883			
		US- 6,097,441			
		US- 6,144,400			
		US- 6,157,719			
		US- 6,157,949			
		US- 6,169,879			
		US- 6,202,211			
		US- 6,229,895			
		US- 6,240,401			
		US- 6,263,504			
		US- 6,266,481			
		US- 6,286,142			
		US- 6,288,716			
		US- 6,289,455			
		US- 6,317,883			
		US- 6,317,884			
		US- 6,370,688			
		US- 6,398,245			
		US- 6,415,031			

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Sheet 6 of 8

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Application Number	10/759,679
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Art Unit	2644 4157
Examiner Name	Jason S. Chung Ricky Chin
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		US- 6,456,985			
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		US- 6,466,921			
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		US- 6,480,667			
		US- 6,487,663			
		US- 6,487,722			
		US- 6,496,980			
		US- 6,502,139			
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		US- 6,519,772			
		US- 6,530,085			
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		US- 6,550,011			
		US- 6,574,609			
		US- 6,611,812			
		US- 6,654,547			
		US- 6,655,580			

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Signature

/Ricky Chin/

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Filing Date	January 19, 2004
First Named Inventor	Robert G. Arsenault
Art Unit	2644 4157
Examiner Name	Jason J. Chung
Attorney Docket Number	PD-980208A Ricky Chin

Sheet 7

of 8

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/R.C./		RANGAN, P. VENKAT, et al., "Designing An On-Demand Multimedia Service", IEEE Communications Magazine, July 1992, Vol. 30, No. 7, title page and pp. 56-64.	
/R.C./		LIAO, WANJIUN, et al., "The Split and Merge Protocol for Interactive Video-On-Demand", IEEE MultiMedia, October-December 1997, Vol. 4, No. 4, index and pp. 51-62.	
/R.C./		JOHNSTON, ROBERT, et al., "A Digital Television Sequence Store", IEEE Transactions on Communications, May 1978, Vol. COM-26, No. 5, index and pp. 594-600.	
/R.C./		"Proposed SMPTE Standard for Television-Splice Points for MPEG-2 Transport Streams", SMPTE Journal, October 1998, SMPTE 312M, pp. 916-925.	
/R.C./		ROBIN, MICHAEL, et al., "Digital Television Fundamentals-Design and Installation of Video and Audio Systems", McGraw-Hill, Chapter 8, title page(s) and pp. 345-425.	
/R.C./		LI, YONGCHEN, et al., "Security Enhanced MPEG Player", IEEE, 1996, pp. 169-175.	
/R.C./		FINK, "Ready to take the dive? It's fast-forward as new DVD and Divx formats hit market (includes graphic: Home video: the next generation plus: Some selections... York Daily Record, December ...	
/R.C./		LEE, SIN-JOO, et al., "A Survey of Watermarking Techniques Applied to Multimedia", IEEE, 2001, pp. 272-277.	
/R.C./		"PocketTV Brings Video to Palm-size PC", March 9, 2000, 2 pages.	
/R.C./		1st Report of EBU/SMPTE Task Force for Harmonized Standards for the Exchange of Television Program Material as Bit Streams, May 1997, Version 1.30, pp. 1-73.	

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Signature

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/759,679
		Filing Date	January 19, 2004
		First Named Inventor	Robert G. Arsenault
		Art Unit	2644 4157
Examiner Name	Jason J. Chung, Ricky Chin		
Attorney Docket Number	PD-980208A		
Sheet	8	of	8

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/R.C./		SCHNEIER, B, "Applied Cryptography-Protocols, Algorithms, and Source Code in C", 2nd Edition, pp. 216-222, 357-362.	
/R.C./		HP Jornada 430/430se Palm-size PC: User's Guide, Hewlett Packard, 1999, pp. 7-9.	
/R.C./		PocketTV-MPEG movie player for Pocket PC and WinCE, 17 May 2000, MPEG TV, LLC, retrieved from URL: http://web.archive.org/web/200006210123803/www.mpegTV.com/wince/pocketTV/index.html .	
/R.C./		Download PocketTV (beta) for WinCE, 3 November 1999, MPEG TV, LLC, retrieved from URL: http://web.archive.org/web/19991127093158/www.mpegTV.com/wince/pocketTV/index.html .	
/R.C./		ANEROUSIS, N., "SkyCast: The Satellite Digital Broadcast Relay Service", AT&T Labs Research, unpublished manuscript, 1999, pp. 1-4.	

Examiner Signature	/Ricky Chin/	Date Considered	12/20/2007
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